

79

Abstract of the Disclosure

To obtain a topology of the available spare links in a telecommunications network provisioned with a distributed restoration algorithm, messages containing the appropriate identifications of the nodes and the ports of the nodes to which spare links are connected are exchanged continuously along the spare links of the network. When a failure is detected, the origin node can retrieve the various messages, and from data contained therein, to construct a topology of the available spare links of the network which can then be used for finding an alternate route for rerouting the traffic disrupted by the failure.

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